

ABSTRACT OF THE DISCLOSURE

A novel paper article, a method of making a paper product, and an embossing roll are disclosed for providing a paper surface region having a minority of fiber to fiber bonds broken in the
5 paper surface region to a depth less than about 0.02 mm from the paper surface. In one aspect, the roughened embossing roll includes protuberances or depressions sized at less than about 0.1 mm. In one aspect, the roughened embossing roll includes
4 protuberances or depressions adapted to produce paper product
10 surface deformations in the paper surface, wherein the paper product surface deformations are invisible to an unaided human eye. The present invention provides a paper product having higher perceived softness while maintaining tensile strength.
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